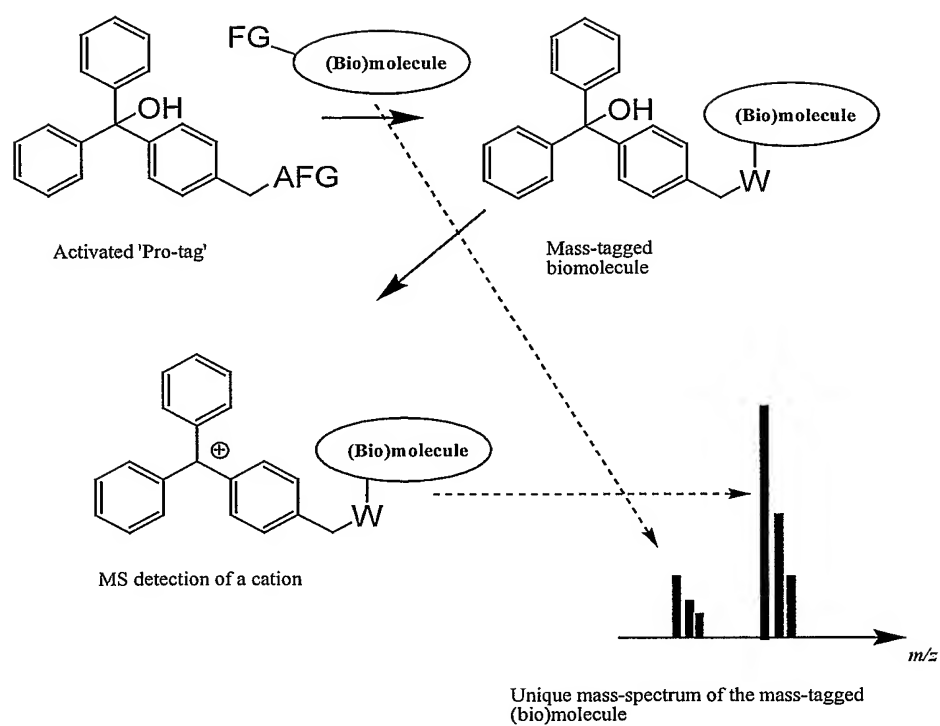


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**Figure 1****Trityl Tagging**

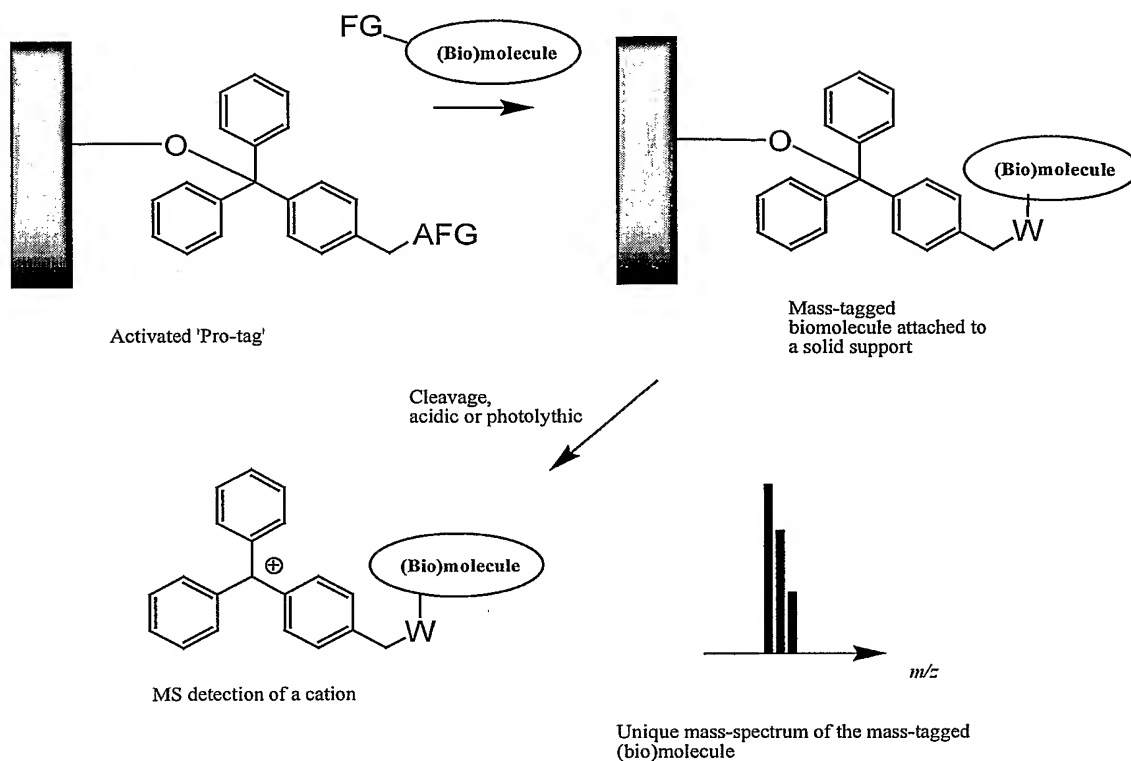
AFG, activated functional group, i.e. NHS or maleimido

FG, functional group, i.e.  $\text{NH}_2$  or SH

W, a bond between AFG and FG

(Bio)molecule, a molecule to be analysed, i.e. a peptide

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**Figure 2****Trityl Enhancer Tagging on Solid Support**

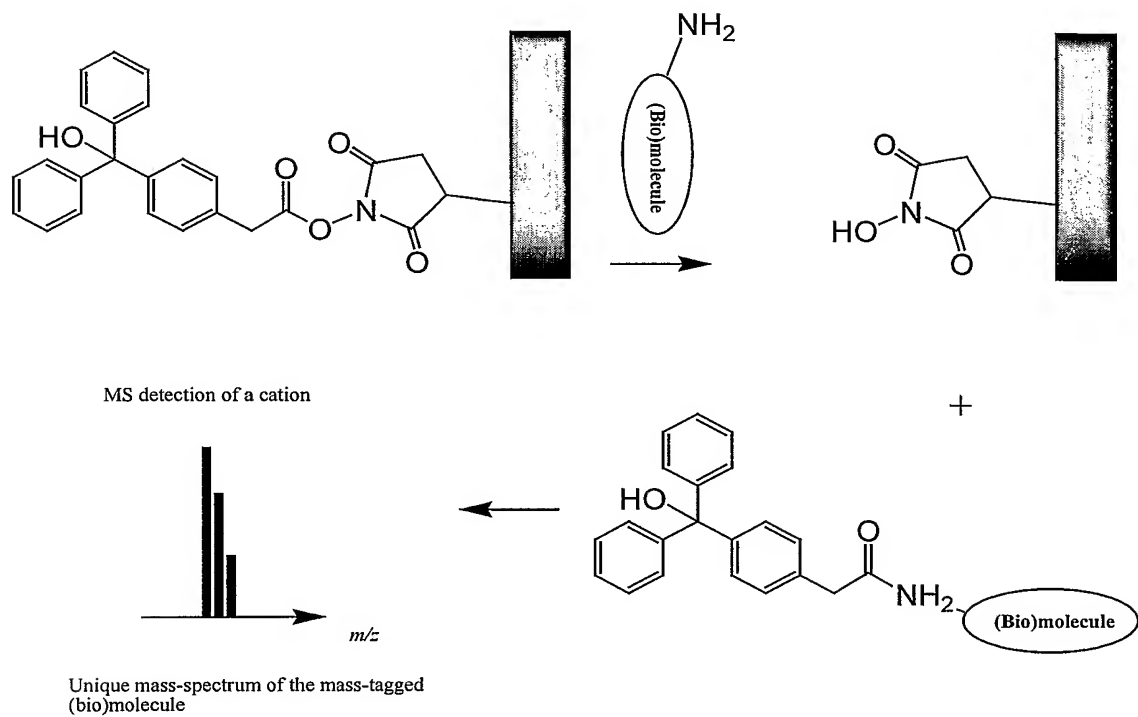
AFG, activated functional group, i.e. NHS or maleimido

FG, functional group, i.e.  $\text{NH}_2$  or SH

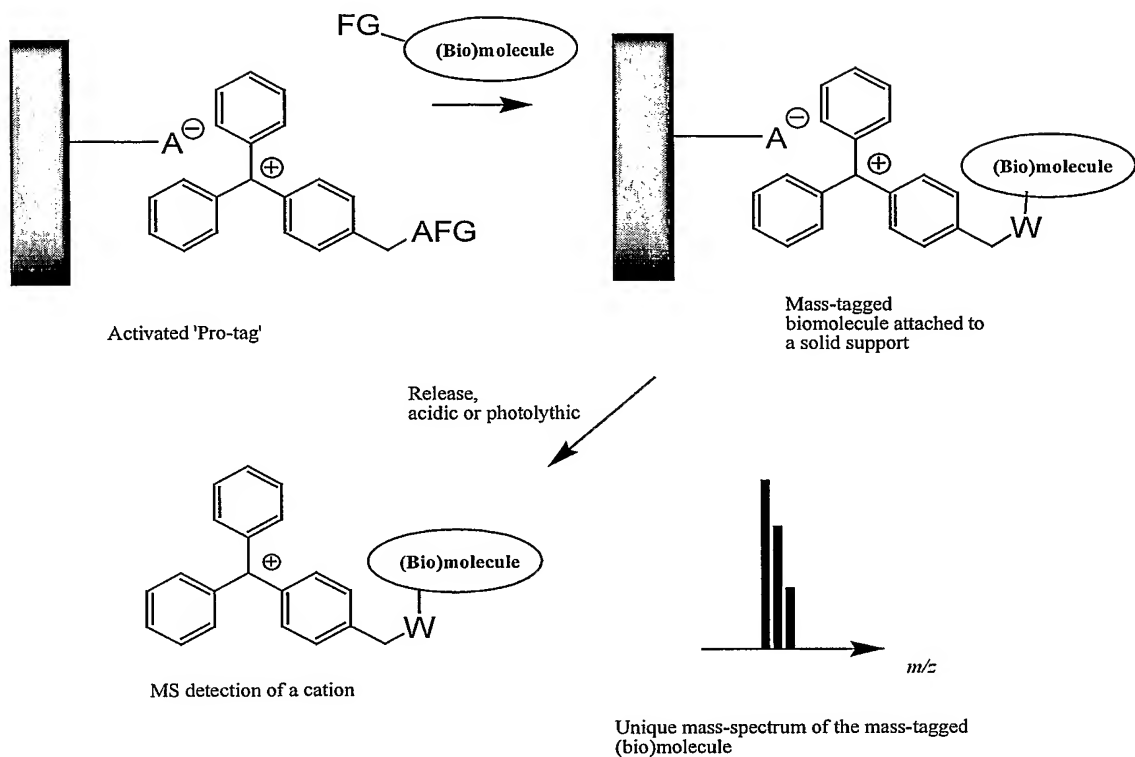
W, a bond between AFG and FG

(Bio)molecule, a molecule to be analysed, i.e. a peptide

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**Figure 3****Reverse Trityl Enhancer Tagging on Solid Support**

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**Figure 4****Trityl Enhancer Tagging on Solid Support 2**

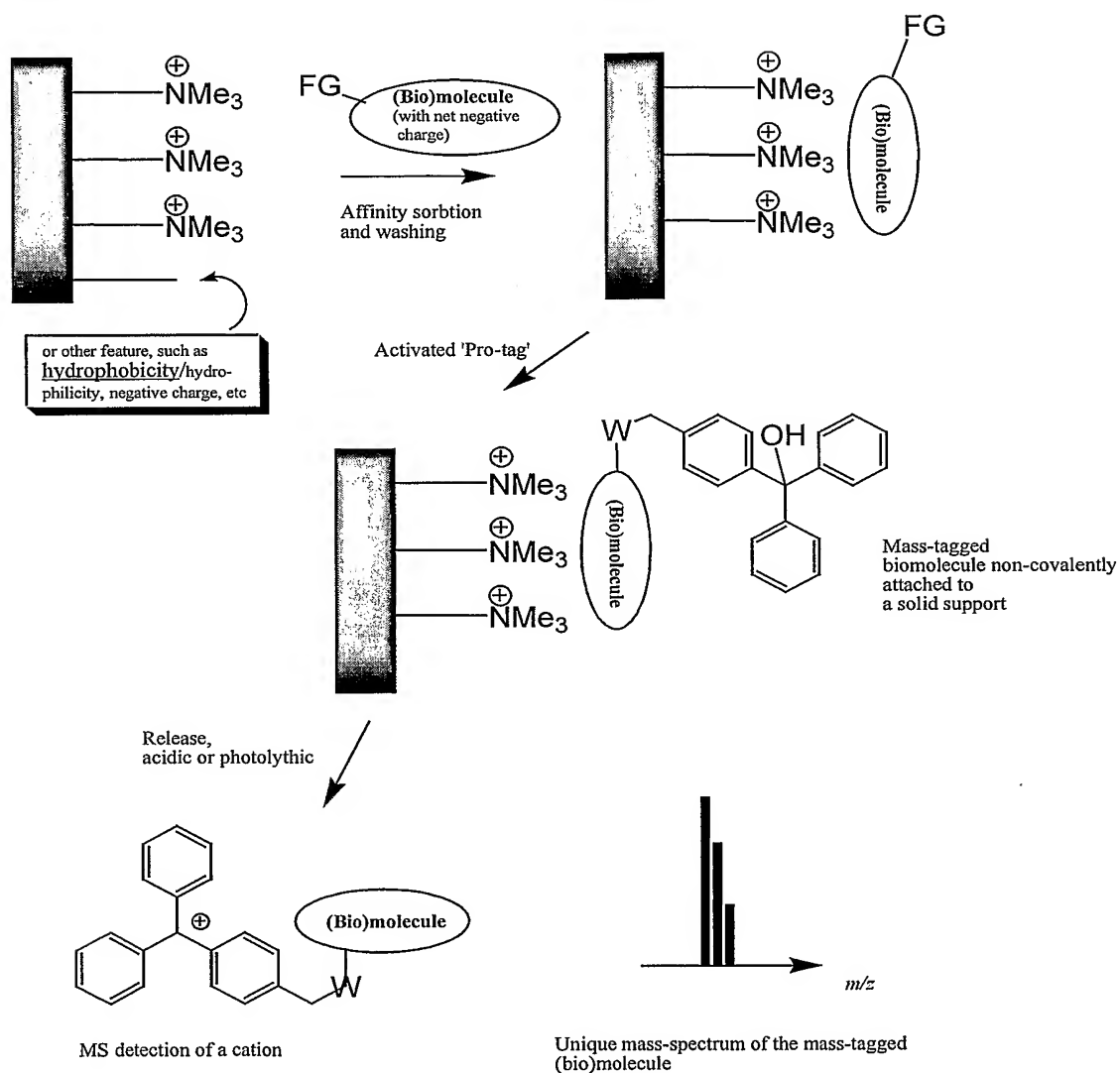
AFG, activated functional group, i.e. NHS or maleimido

FG, functional group, i.e.  $\text{NH}_2$  or SH

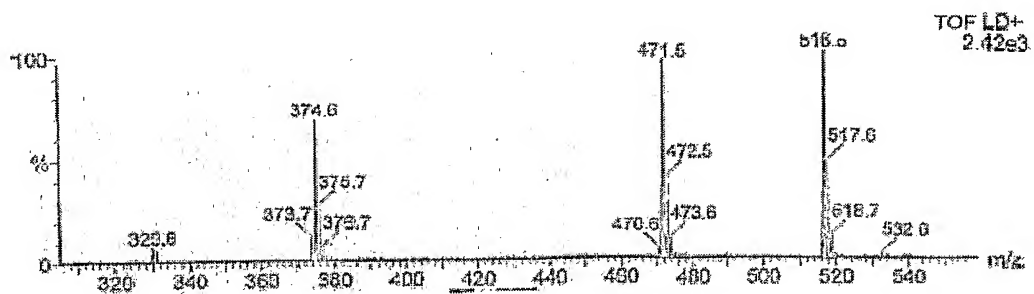
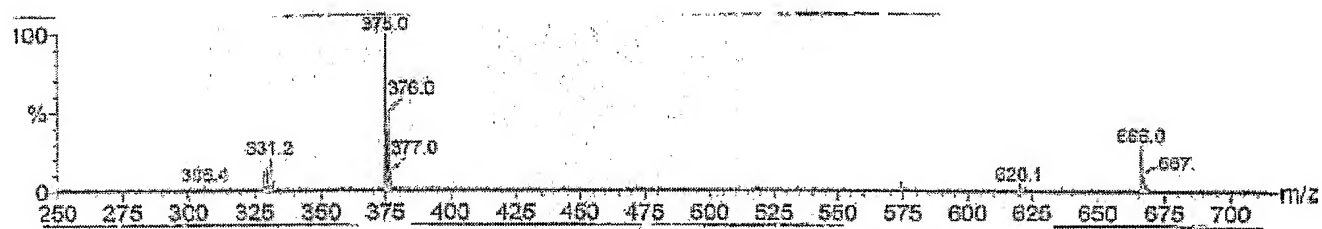
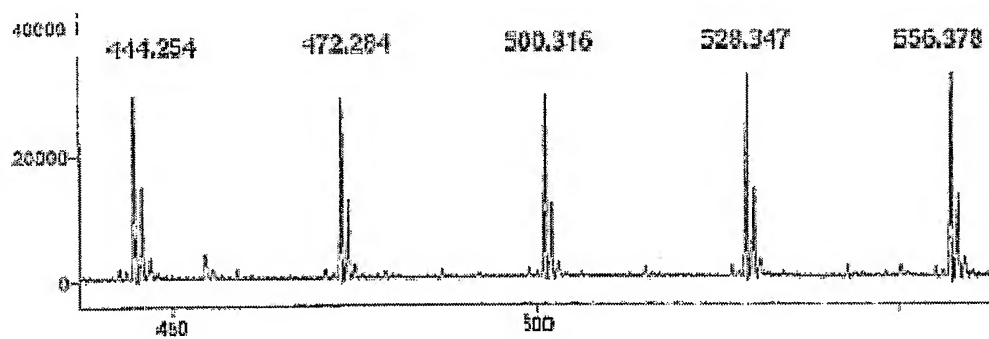
W, a bond between AFG and FG

(Bio)molecule, a molecule to be analysed, i.e. a peptide

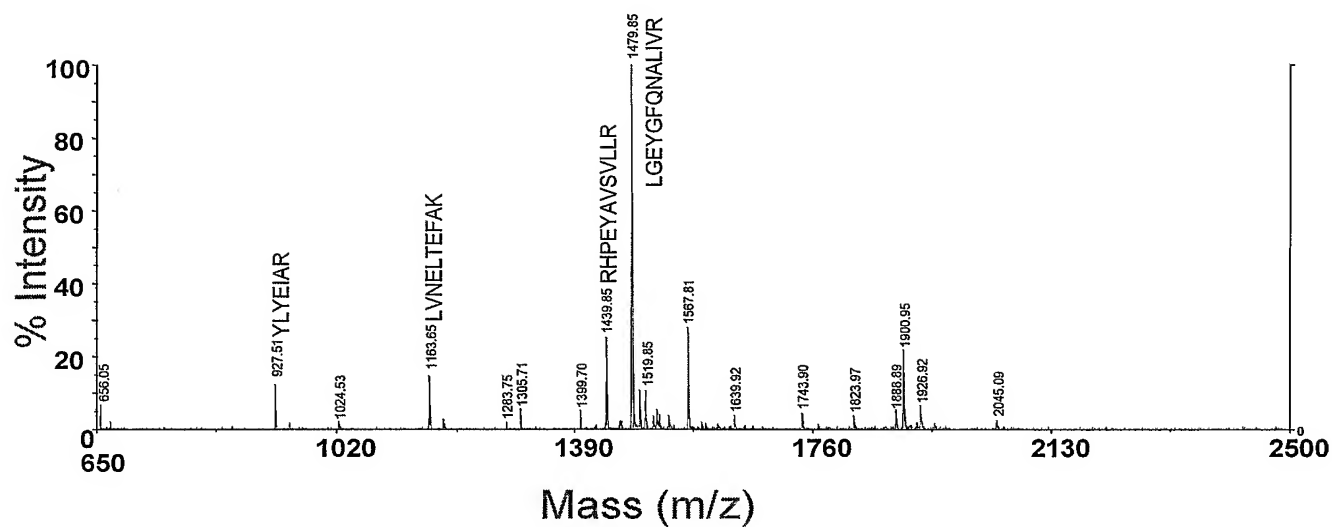
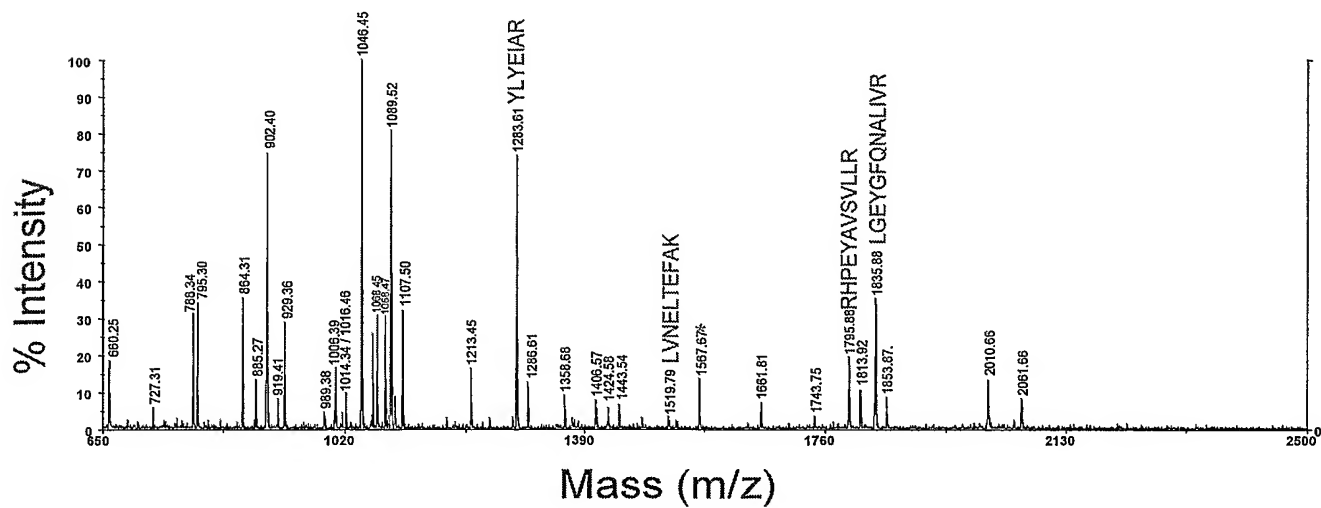
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**Figure 5****Solid Support-Assisted Trityl Enhancer Tagging**

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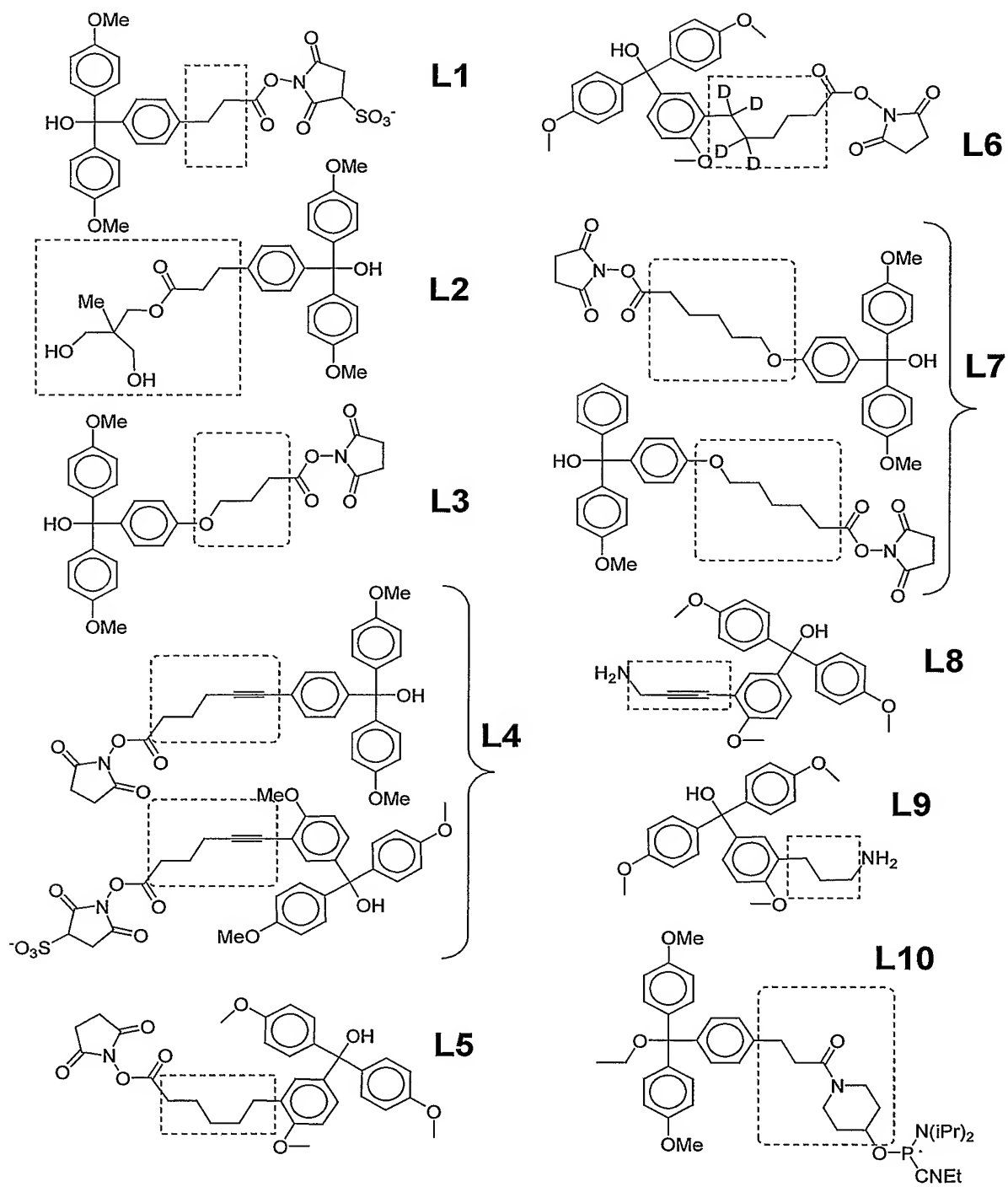
*Figure 6**Figure 7**Figure 9*

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*Figure 8**Figure 8A**Figure 8B*

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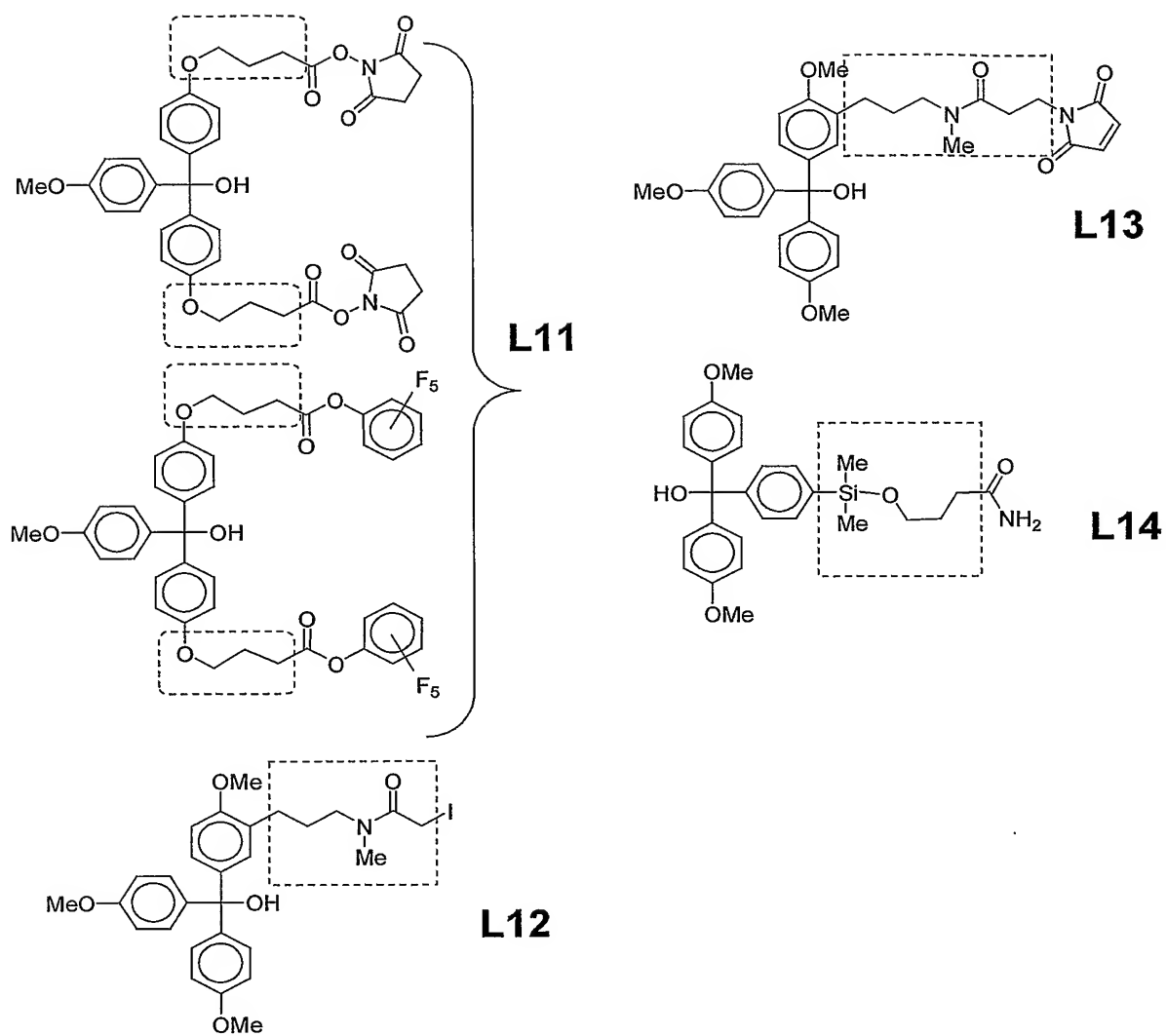
Figure 10A





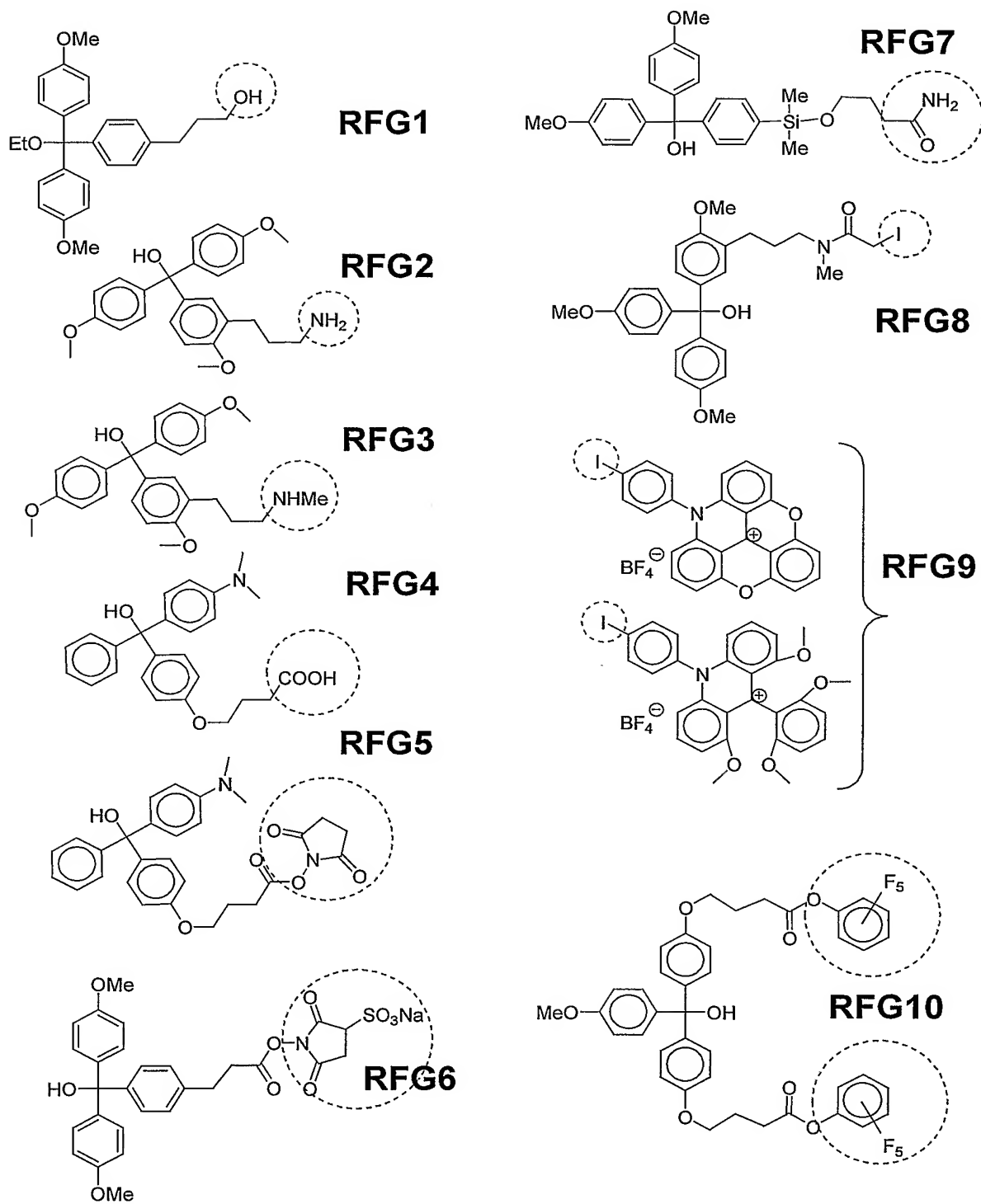
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Figure 10B

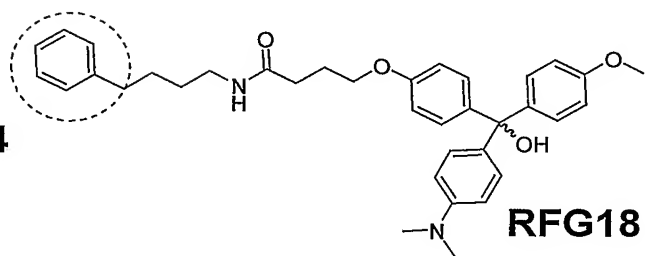
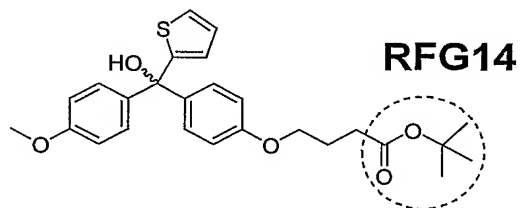
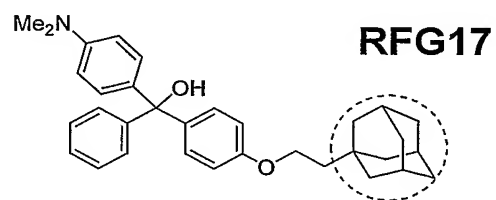
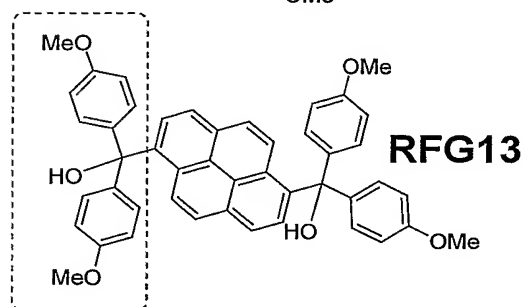
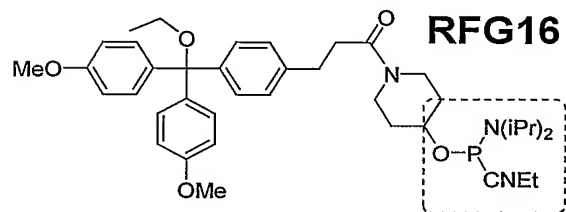
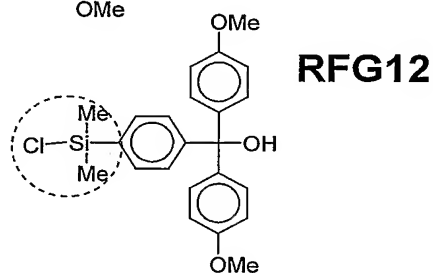
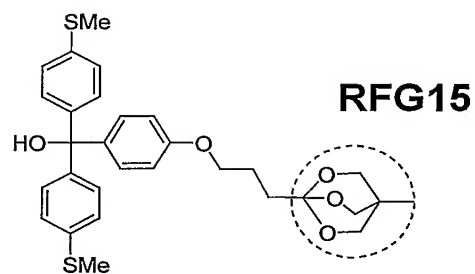
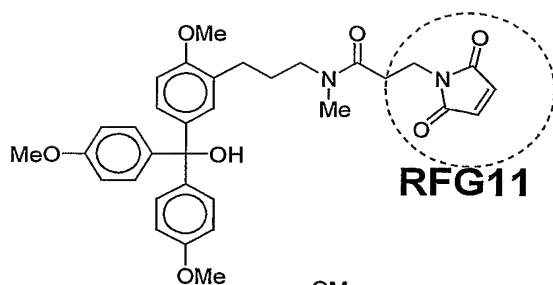


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Figure 11A

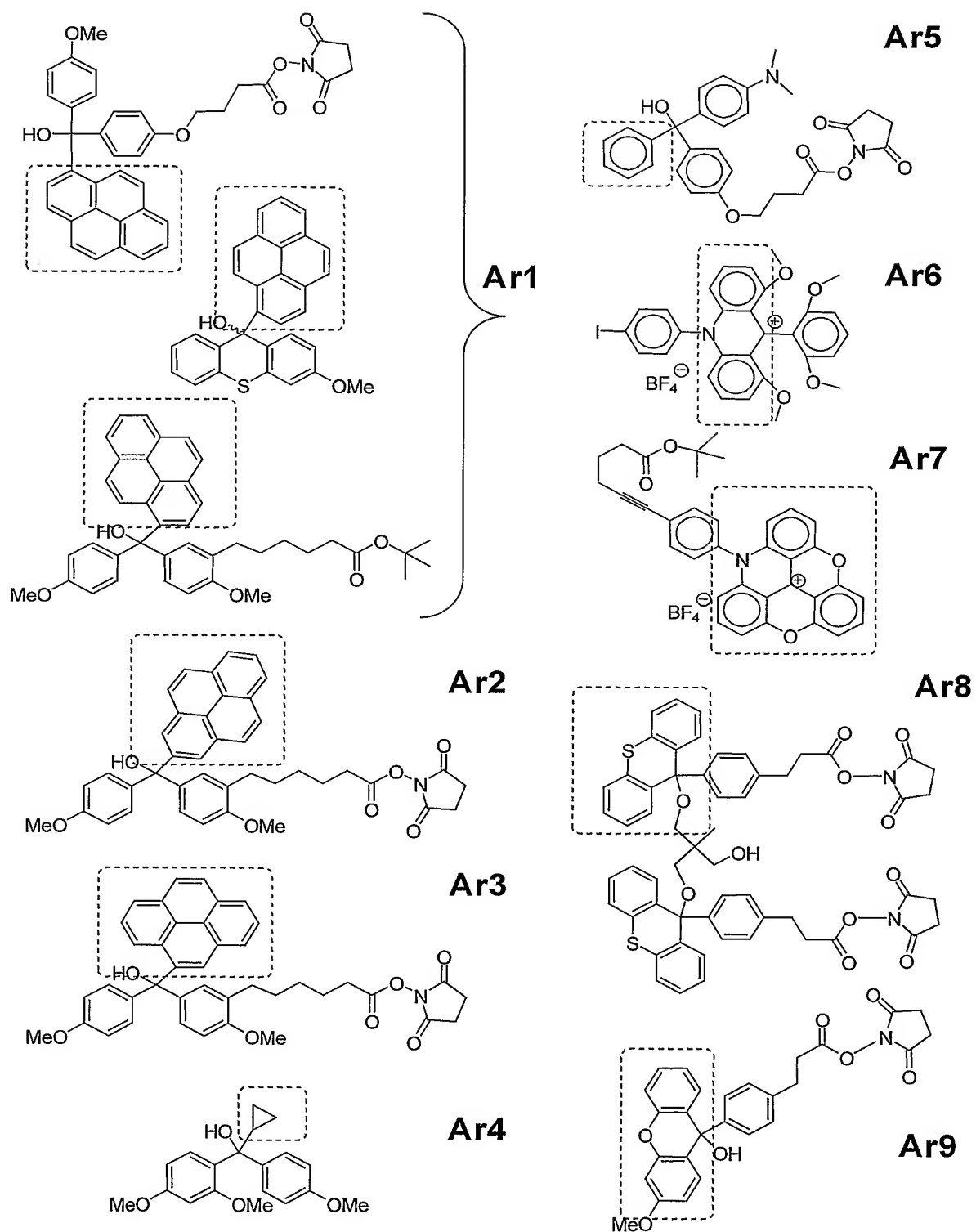


**Figure 11B**

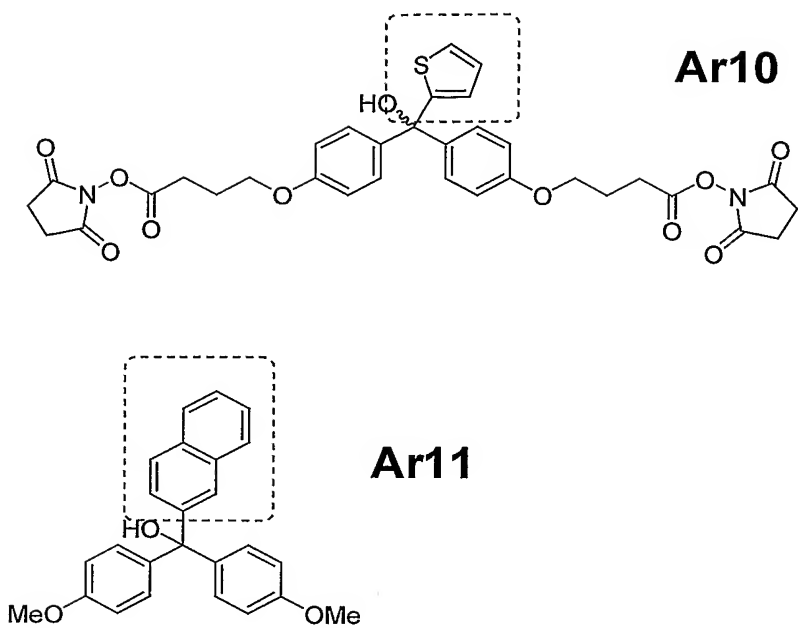


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Figure 12A

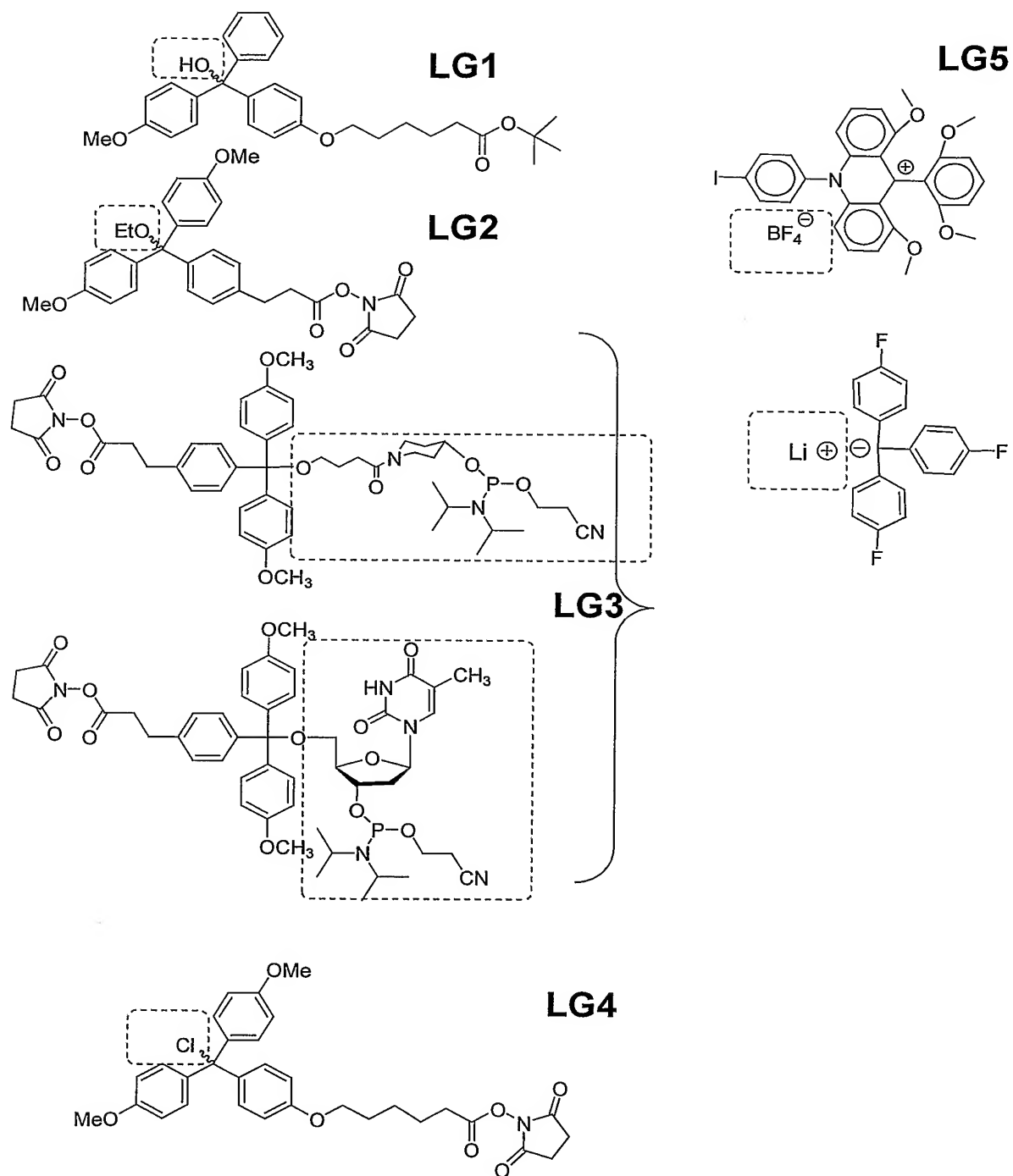


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**Figure 12B**

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Figure 13



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Figure 14

